

REMARKS

Claims 1-3 remain pending in the application with Claim 1 being the sole independent claim. Claims 1-3 are again rejected under 35 U.S.C. §102(e) as allegedly being anticipated by Bank (U.S. Patent Application Publication No. 2003/0059069 A1).

Please cancel Claim 2 without prejudice. Please amend Claim 1 as set forth herein. No new matter has been added.

Claim 1 recites, in part, a structure for a panel-type speaker mounting comprising a liquid crystal display (LCD) window having a first surface exposed on a top end of an upper casing frame of a main body and a second surface facing an interior of the main body; and an LCD module disposed under the LCD window with a gap between the LCD module and the LCD window within the main body, the LCD module having a polarizing plate having an upper surface facing the second surface of the LCD window and a lower surface opposite the upper surface, the polarizing plate being divided into a first portion located adjacent to the LCD window and a second portion extended from the first portion, for mounting a panel type speaker to the lower surface of the second portion of the polarizing plate, wherein the second portion of the plate is extended in a predetermined direction below the LCD window away from a top portion of a device.

The Examiner states, on page 4 of the Office Action, that Bank teaches a second portion (e.g., bimorph beam 88 and piezoelectric beam 51) extended from a first portion (e.g., bimorph beam 90 and piezoelectric beam 43), for mounting (Abstract, paragraph 0005, and paragraph 0062), a panel-type speaker (e.g., transducer, actuator, exciter; FIG. 2, transducer 86) to the lower surface (FIG. 2, bimorph beam 88; FIG. 5, piezoelectric beam 51) of the second portion of the polarizing plate (e.g., piezoelectric material/plate; FIG. 2, FIG. 5, paragraphs 0054-0055, 0059, and 0061).

Bank discloses a bending wave loudspeaker which includes a transparent acoustic radiator capable of supporting bending wave vibration and an electromechanical force transducer mounted to the acoustic radiator to excite bending waves in the acoustic radiator to produce an acoustic output.

The Examiner improperly relies on biormorph beam 88 and piezoelectric beam 51 for satisfying the recited second portion of the polarizing plate, biormorph beam 90 and piezoelectric beam 43 for satisfying the recited first portion of the polarizing plate, for mounting a panel-type speaker, for which the Examiner relies on transducer 86.

Bank explains in paragraph 53 that transducer 86 is mounted to the display window 66 to launch or excite bending wave vibration. In paragraph 55, Bank explains that the transducer 86 includes upper and lower biormorph beams 90 and 88, and that biormorph beam 90 is longer than biormorph beam 88. In paragraph 61, Bank explains that piezoelectric beam 51 is mounted on the back of piezoelectric beam 43, the two of which make up transducer 42.

Biomorph beam 88 and biormorph beam 90, which make up transducer 86, fail to satisfy the recited second portion of the polarizing plate and the recited first portion of the polarizing plate, respectively, because transducer 86 is attached to the display window 66. Biomorph beam 88 **does not extend** from biormorph beam 90, and because neither one of biormorph beam 88 or biormorph beam 90 support a panel-type speaker, they ***are*** the transducer 86. Piezoelectric beam 51 and piezoelectric beam 43, which make up transducer 42, fail to satisfy the recited second portion of the polarizing plate and the recited first portion of the polarizing plate, respectively, because transducer 42 is attached to the display window 66. Piezoelectric beam 51 **does not extend** from piezoelectric beam 43, and because neither one of piezoelectric beam 51 or piezoelectric beam 43 support a panel-type speaker, they ***are*** the transducer 42. Bank further explains how loudspeaker 154 is also mounted on the display 108.

Bank fails to teach or reasonably suggest a panel-type speaker mounting structure including a liquid crystal display (LCD) window having a first surface exposed on a top end of an upper casing frame of a main body and a second surface facing an interior of the main body; and an LCD module disposed under the LCD window with a gap between the LCD module and the LCD window within the main body, the LCD module having a polarizing plate having an upper surface facing the second surface of the LCD window and a lower surface opposite the upper surface, the polarizing plate being divided into a first portion located adjacent to the LCD window and a second portion extended from

the first portion, for mounting a panel-type speaker to the lower surface of the second portion of the polarizing plate, wherein the second portion of the plate is extended in a predetermined direction blow the LCD window away from a top portion of a device.

Accordingly, Claim 1 is allowable over Bank.

While not conceding the patentability of the dependent claims, *per se*, Claim 3 is also allowable for at least the above reasons.

Accordingly, all of the claims pending in the Application, namely, Claims 1 and 3, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,



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